

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A high voltage discharge lamp lighting apparatus comprising:

a rectification circuit having connected to a secondary side of a transformer for receiving an output voltage of said secondary side and performing a forward function and a flyback function; disposed on a secondary side of a transformer and receiving a secondary side voltage; and

an inverter circuit connected to the rectification circuit;

a booster circuit connected to the inverter circuit and discharge lamp for providing high voltage to the discharge lamp; and

a voltage-doubler circuit connected between the secondary side and the booster circuit for providing the discharge lamp a voltage which is obtained by adding an output voltage of the rectification circuit to the output voltage of the secondary side adding to the secondary side voltage an output voltage generated by the rectification circuit having the forward function and the flyback function.

2. (Currently Amended) The high voltage discharge lamp lighting apparatus according to claim 1, wherein an inverter circuit and a booster circuit are connected to a rear stage of the voltage doubler circuit, wherein the booster circuit provides the voltage to the discharge lamp only when the lamp is lit.

3. (New) The high voltage discharge lamp lighting apparatus according to claim 1, wherein the voltage-doubler circuit consists of a diode and a capacitor.